

RESULT 2

US-09-981-353-54

; Sequence 54, Application US/09981353

; Patent No. US20020160382A1

; GENERAL INFORMATION:

; APPLICANT: Lasek, Amy W.

; APPLICANT: Jones, David A.

; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER

; FILE REFERENCE: PA-0038 US

; CURRENT APPLICATION NUMBER: US/09/981,353

; CURRENT FILING DATE: 2001-10-11

; NUMBER OF SEQ ID NOS: 194

; SOFTWARE: PERL Program

; SEQ ID NO 54

; LENGTH: 917

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte ID No. US20020160382A1 2771481CD1

US-09-981-353-54

Query Match 99.9%; Score 4771; DB 10; Length 917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 916; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	MGLFRGFVLLVLCLLHQSNTSFIKLNNGFEDIVIVIDPSVPEDEKIIEQIEDMVTTAS	60
Db	1	MGLFRGFVLLVLCLLHQSNTSFIKLNNGFEDIVIVIDPSVPEDEKIIEQIEDMVTTAS	60
Qy	61	TYLFEATEKRFFFKNVSILIPENWKENPQYKRPKHENHKKHADVIVAPPTLPGRDEPYTKQ	120
Db	61	TYLFEATEKRFFFKNVSILIPENWKENPQYKRPKHENHKKHADVIVAPPTLPGRDEPYTKQ	120
Qy	121	FTECGEKGEYIHFTPDLLEKKQNEYGPPGKLFVHEWAHLRWGVFDEYNEDQPPFYRAKSK	180
Db	121	FTECGEKGEYIHFTPDLLEKKQNEYGPPGKLFVHEWAHLRWGVFDEYNEDQPPFYRAKSK	180
Qy	181	KIEATRCISAGISGRNRVYKCGGSCSLSRACRIDSTTKLYGKDCQFFPDQVQTEKASIMFM	240
Db	181	KIEATRCISAGISGRNRVYKCGGSCSLSRACRIDSTTKLYGKDCQFFPDQVQTEKASIMFM	240
Qy	241	QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSED FKNTIPMVT P P P P P V F S L L	300
Db	241	QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSED FKNTIPMVT P P P P P V F S L L	300
Qy	301	KISQRIVCLVLDKSGSMGGKDRNLNRMNQAAKHFLQTVENGSWVGMVHFDSTATIVNKLI	360
Db	301	KISQRIVCLVLDKSGSMGGKDRNLNRMNQAAKHFLQTVENGSWVGMVHFDSTATIVNKLI	360
Qy	361	QIKSSDERNTLMAGLPTYPLGGTSICSGIKYAFQVIGELHSQLDGSEVLLLLTDGEDNTAS	420
Db	361	QIKSSDERNTLMAGLPTYPLGGTSICSGIKYAFQVIGELHSQLDGSEVLLLLTDGEDNTAS	420
Qy	421	SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN	480
Db	421	SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN	480

Qy	481	TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM	540
Db	481	TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM	540
Qy	541	ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Db	541	ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Qy	601	NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNDBGV	660
Db	601	NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNDBGV	660
Qy	661	YSRYFTAYTENGGRYSLKVRAGGANTARLKLRPPLNRAAYIPGWVNGEIEANPPRPEID	720
Db	661	YSRYFTAYTENGGRYSLKVRAGGANTARLKLRPPLNRAAYIPGWVNGEIEANPPRPEID	720
Qy	721	EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLDATVHEDKIILTWTPAGDN	780
Db	721	EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLDATVHEDKIILTWTPAGDN	780
Qy	781	FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Db	781	FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Qy	841	IFIAIKSIDKSNLTSKVSANIAQVTLFIPQANPDDIDPTPTPTPTPKSHNSGVNISTLVL	900
Db	841	IFIAIKSIDKSNLTSKVSANIAQVTLFIPQANPDDIDPTPTPTPTPKSHNSGVNISTLVL	900
Qy	901	SVIGSVVIVNFILSTTI	917
Db	901	SVIGSVVIVNFILSTTI	917

RESULT 4

AAU88029

ID AAU88029 standard; Protein; 917 AA.

XX

AC AAU88029;

XX

DT 05-JUN-2002 (first entry)

XX

DE Human calcium-activated chloride channel hCLCA4.

XX

KW Nucleic acid library; immune response; asthma; COPD;

KW airway hyperresponsiveness; bronchoalveolar manifestation;

KW signature sequence; SS; chronic obstructive pulmonary disease;

KW allergic disease; rhinitis; atopic dermatitis; urticaria;

KW autoimmune disease; multiple sclerosis; inflammatory bowel disease;

KW allograft rejection; infectious disease.

KW calcium-activated chloride channel.

XX

OS Homo sapiens.

XX

PN WO200214366-A2.

XX

PD 21-FEB-2002.

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PF 16-AUG-2001; 2001WO-NL00610.

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PR 16-AUG-2000; 2000EP-0202867.

XX

PA (UYUT-) RIJKSUNIV UTRECHT.

XX

PI Groot PC, Van Bergenhenegouwen BJ, Van Oosterhout AJM;

XX

DR WPI; 2002-241888/29.

XX

PT Nucleic acid library comprising genes which are capable of initiation,
PT progression and suppression of an immune response, especially an immune
PT response observed with airway hyper-responsiveness of asthma -

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PS Disclosure; Fig 14; 120pp; English.

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CC The invention relates to a nucleic acid library comprising genes or
CC their fragments which are capable of modulating an immune response
CC observed with airway hyperresponsiveness and/or bronchoalveolar
CC manifestations of asthma. Also included are a method for modulating an
CC immune response of an individual comprising modulating a gene comprising
CC a nucleic acid at least functionally equivalent to a nucleic acid
CC identifiable by a signature sequence (SS) given in the specification such
CC as R1-SO-R1-A11, StO1-A10, SvO2-1-C11, StO1-A12, and R1-SO-R1-B7, a
CC substance (for use as a medicament) capable of modulating a gene
CC comprising a nucleic acid at least functionally equivalent to a nucleic
CC acid identifiable by SS and the use of a proteinaceous substance derived
CC from a nucleic acid at least functionally equivalent to a nucleic acid
CC identifiable by SS for the production of an antagonist (for use as a
CC medicament) against the substance. The antagonist and substance are
CC useful for the treatment of an immune response observed with airway
CC hyperresponsiveness and/or bronchoalveolar manifestations of asthma.
CC The method is useful for modulating the above immune response, where the

CC gene encodes a gene product capable of modulating the immune response.
CC The substance is useful for treating an immune response, particularly
CC asthma, chronic obstructive pulmonary disease (COPD), allergic diseases
CC (rhinitis, atopic dermatitis, urticaria), autoimmune diseases (e.g.
CC multiple sclerosis), inflammatory bowel disease, allograft rejection and
CC infectious disease. The present sequence is a mouse or human
CC protein encoded by a signature sequence gene or its homologue/functional
CC equivalent.

XX

SQ Sequence 917 AA;

Query Match 99.7%; Score 4766; DB 23; Length 917;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 915; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      1 MGLFRGFVLLVLCLLHQSNTSFIKLNNGFEDIVIVIDPSVPEDEKIIEQIEDMVTTAS 60
      |||
Db      1 MGLFRGFVLLVLCLLHQSNTSFIKLNNGFEDIVIVIDPSVPEDEKIIEQIEDMVTTAS 60

Qy     61 TYLFEATEKRFFFKNVSILIPENWKENPQYKRPKHENHKHADVIVAPPTLPGRDEPYTKQ 120
      |||
Db     61 TYLFEATEKRFFFKNVSILIPENWKENPQYKRPKHENHKHADVIVAPPTLPGRDEPYTKQ 120

Qy    121 FTECGEKGEYIHFTPDLLLEKKQNEYGPPGKLFVHEWAHLRWGVFDEYNEDQPFYRAKSK 180
      |||
Db    121 FTECGEKGEYIHFTPDLLLGKKQNEYGPPGKLFVHEWAHLRWGVFDEYNEDQPFYRAKSK 180

Qy    181 KIEATRCISAGISGRNRVYKCQGGSCLSRACRIDSTTKLYGKDCQFFPDQVTEKASIMFM 240
      |||
Db    181 KIEATRCISAGISGRNRVYKCQGGSCLSRACRIDSTTKLYGKDCQFFPDQVTEKASIMFM 240

Qy    241 QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSEDfKNTIPMVTPPPPPVFSL 300
      |||
Db    241 QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSEDfKNTIPMVTPPPPPVFSL 300

Qy    301 KISQIRIVCLVLDKSGSMGGKDRLNRMNQAAKHFLQTVENGSWVGMVHFDSTATIVNKLI 360
      |||
Db    301 KIRQIRIVCLVLDKSGSMGGKDRLNRMNQAAKHFLQTVENGSWVGMVHFDSTATIVNKLI 360

Qy    361 QIKSSDERNTLMAGLPTYPLGGTSICSGIKYAFQVIGELHSQLDGSEVLLLTGDGENTAS 420
      |||
Db    361 QIKSSDERNTLMAGLPTYPLGGTSICSGIKYAFQVIGELHSQLDGSEVLLLTGDGENTAS 420

Qy    421 SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN 480
      |||
Db    421 SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN 480

Qy    481 TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM 540
      |||
Db    481 TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM 540

Qy    541 ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM 600
      |||
Db    541 ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM 600

Qy    601 NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNQGV 660
      |||
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Db 601 NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNDBGV 660

QY 661 YSRYFTAYTENGRYSLKVBRAHGGANTARLKLRPPLNRAAYIPGWVVNGEIEANPPRPEID 720
||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db 661 YSRYFTAYTENGRYSLKVBRAHGGANTARLKLRPPLNRAAYIPGWVVNGEIEANPPRPEID 720

QY 721 EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLDATVHEDKIILTWAPGDN 780
||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db 721 EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLDATVHEDKIILTWAPGDN 780

QY 781 FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH 840
||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db 781 FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH 840

QY 841 IFIAIKSIDKSNLTSKVSANIAQVTLFIPQANPDDIDPTPTPTPTPKSHNSGVNISTLVL 900
||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Db 841 IFIAIKSIDKSNLTSKVSANIAQVTLFIPQANPDDIDPTPTPTPTPKSHNSGVNISTLVL 900

QY 901 SVIGSVVIVNFILSTTI 917
||||||||||||||||

Db 901 SVIGSVVIVNFILSTTI 917

RESULT 5

ABP98501

ID ABP98501 standard; protein; 917 AA.

XX

AC ABP98501;

XX

DT 20-MAY-2003 (first entry)

XX

DE Amino acid sequence of disease-associated CLCA4 protein.

XX

KW Antiinflammatory; Antiasthmatic; Respiratory; Ophthalmological;

KW Antiallergic; Gastrointestinal; Chest disease;

KW Respiratory disease; Bowel disease; Allergic conjunctivitis;

KW CLCA4; Human.

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OS Homo sapiens.

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PN WO2003005024-A1.

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PD 16-JAN-2003.

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PF 03-JUL-2002; 2002WO-JP06730.

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PR 04-JUL-2001; 2001JP-0203036.

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PA (TAKE) TAKEDA CHEM IND LTD.

XX

PI Nakanishi A, Morita S;

XX

DR WPI; 2003-210385/20.

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PT Disease-associated gene CLCA4, its product and antibody, applicable in

PT diagnosis and screening drugs for pulmonary and chest diseases

PT accompanied by inflammation in lung or airway, and respiratory diseases

PT -

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PS Claim 1; Page 63-67; 84pp; Japanese.

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CC This invention relates to CLCA4, which is applicable in diagnosis

CC and screening of drugs for certain diseases and is thought to be

CC antiinflammatory, antiasthmatic; ophthalmological and antiallergic

CC in its action. The CLCA4 gene and its product are applicable in

CC diagnosis and screening drugs for pulmonary and chest diseases

CC accompanied by inflammation in lung or airway, respiratory diseases

CC inflammatory bowel diseases and allergic conjunctivitis. The

CC present sequence is the CLCA4 protein. The nucleotide sequence is

CC given in file ABZ59766.

XX

SQ Sequence 917 AA;

Query Match 99.7%; Score 4766; DB 24; Length 917;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 915; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MGLFRGFVFLVLCLLHQSNSTSFIKLNNNGFEDIVIVIDPSVPEDEKIIIEQIEDMVTAS 60

|||||

Db 1 MGLFRGFVFLVLCLLHQSNSTSFIKLNNNGFEDIVIVIDPSVPEDEKIIIEQIEDMVTAS 60

only 1 seq.
Seq. 1

Qy	61	TYLFEATEKRFFFKNVSLIPENWKENPQYKRPKHENHKHADVIAPPTLPGRDEPYTKQ	120
Db	61	TYLFEATEKRFFFKNVSLIPENWKENPQYKRPKHENHKHADVIAPPTLPGRDEPYTKQ	120
Qy	121	FTECGEGKEGYIHFTPDLLLEKKQNEYGPPGKLFVHEWAHLRWGVFDEYNEDQPFYRAKSK	180
Db	121	FTECGEGKEGYIHFTPDLLLGKKQNEYGPPGKLFVHEWAHLRWGVFDEYNEDQPFYRAKSK	180
Qy	181	KIEATRCISAGISGRNRVYKCQGGSCLSRACRIDSTTKLYGKDCQFFDPDKVQTEKASIMFM	240
Db	181	KIEATRCISAGISGRNRVYKCQGGSCLSRACRIDSTTKLYGKDCQFFDPDKVQTEKASIMFM	240
Qy	241	QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSEDFKNTIPMVTPPPPPVFSL	300
Db	241	QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSEDFKNTIPMVTPPPPPVFSL	300
Qy	301	KISQRIVCLVLDKSGSMGGKDRLNRMNQAAKHFLQLTVENGSWVGMVHFDSTATIVNKLI	360
Db	301	KIRQRIVCLVLDKSGSMGGKDRLNRMNQAAKHFLQLTVENGSWVGMVHFDSTATIVNKLI	360
Qy	361	QIKSSDERNTLMAGLPTYPLGGTSCSGIKYAFQVIGELHSQLDGEVLLLLTDGEDNTAS	420
Db	361	QIKSSDERNTLMAGLPTYPLGGTSCSGIKYAFQVIGELHSQLDGEVLLLLTDGEDNTAS	420
Qy	421	SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN	480
Db	421	SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN	480
Qy	481	TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM	540
Db	481	TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM	540
Qy	541	ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Db	541	ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Qy	601	NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNQDGV	660
Db	601	NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNQDGV	660
Qy	661	YSRYFTAYTENGGRYSLKVBRAHGGANTARLKLRLPLNRAAYIPGWVNGEIEANPPRPEID	720
Db	661	YSRYFTAYTENGGRYSLKVBRAHGGANTARLKLRLPLNRAAYIPGWVNGEIEANPPRPEID	720
Qy	721	EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLATVHEDKIIILTWAPGDN	780
Db	721	EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLATVHEDKIIILTWAPGDN	780
Qy	781	FDVGKVQRYIIIRISASILDRLDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Db	781	FDVGKVQRYIIIRISASILDRLDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Qy	841	IFIAIKSIDKSNLTSKVSNIAQVTLFIPQANPDDIDPTPTPTPTPDKSHNSGVNISTLVL	900
Db	841	IFIAIKSIDKSNLTSKVSNIAQVTLFIPQANPDDIDPTPTPTPTPDKSHNSGVNISTLVL	900

Qy 901 SVIGSVVIVNFILSTTI 917
 |||||
Db 901 SVIGSVVIVNFILSTTI 917

RESULT 6

AA66749

ID AAY66749 standard; protein; 919 AA.

XX

AC AAY66749;

XX

DT 05-APR-2000 (first entry)

XX

DE Membrane-bound protein PRO1124

XX

KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.

XX

OS Homo sapiens.

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PN WO9963088-A2.

XX

PD 09-DEC-1999.

XX

PF 02-JUN-1999; 99WO-US12252.

XX

PR 02-JUN-1998; 98US-0087607.

PR 02-JUN-1998; 98US-0087609.

PR 02-JUN-1998; 98US-0087759.

PR 03-JUN-1998; 98US-0087827.

PR 04-JUN-1998; 98US-0088021.

PR 04-JUN-1998; 98US-0088025.

PR 04-JUN-1998; 98US-0088028.

PR 04-JUN-1998; 98US-0088029.

PR 04-JUN-1998; 98US-0088030.

PR 04-JUN-1998; 98US-0088033.

PR 04-JUN-1998; 98US-0088326.

PR 05-JUN-1998; 98US-0088167.

PR 05-JUN-1998; 98US-0088202.

PR 05-JUN-1998; 98US-0088212.

PR 05-JUN-1998; 98US-0088217.

PR 09-JUN-1998; 98US-0088655.

PR 10-JUN-1998; 98US-0088722.

PR 10-JUN-1998; 98US-0088730.

PR 10-JUN-1998; 98US-0088734.

PR 10-JUN-1998; 98US-0088738.

PR 10-JUN-1998; 98US-0088740.

PR 10-JUN-1998; 98US-0088741.

PR 10-JUN-1998; 98US-0088742.

PR 10-JUN-1998; 98US-0088810.

PR 10-JUN-1998; 98US-0088811.

PR 10-JUN-1998; 98US-0088824.

PR 10-JUN-1998; 98US-0088825.

PR 10-JUN-1998; 98US-0088826.

PR 11-JUN-1998; 98US-0088858.

PR 11-JUN-1998; 98US-0088861.

PR 11-JUN-1998; 98US-0088863.

PR 11-JUN-1998; 98US-0088876.

PR 12-JUN-1998; 98US-0089090.

PR 12-JUN-1998; 98US-0089105.

PR 16-JUN-1998; 98US-0089440.

PR 16-JUN-1998; 98US-0089512.

Seq. 258
Fig 258

PR	16-JUN-1998;	98US-0089514.
PR	17-JUN-1998;	98US-0089532.
PR	17-JUN-1998;	98US-0089538.
PR	17-JUN-1998;	98US-0089598.
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PR	17-JUN-1998;	98US-0089600.
PR	17-JUN-1998;	98US-0089653.
PR	18-JUN-1998;	98US-0089801.
PR	18-JUN-1998;	98US-0089907.
PR	18-JUN-1998;	98US-0089908.
PR	19-JUN-1998;	98US-0089947.
PR	19-JUN-1998;	98US-0089948.
PR	19-JUN-1998;	98US-0089952.
PR	22-JUN-1998;	98US-0090246.
PR	22-JUN-1998;	98US-0090252.
PR	22-JUN-1998;	98US-0090254.
PR	23-JUN-1998;	98US-0090349.
PR	23-JUN-1998;	98US-0090355.
PR	24-JUN-1998;	98US-0090429.
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PR	24-JUN-1998;	98US-0090535.
PR	24-JUN-1998;	98US-0090538.
PR	24-JUN-1998;	98US-0090540.
PR	24-JUN-1998;	98US-0090557.
PR	25-JUN-1998;	98US-0090676.
PR	25-JUN-1998;	98US-0090678.
PR	25-JUN-1998;	98US-0090688.
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PR	25-JUN-1998;	98US-0090691.
PR	25-JUN-1998;	98US-0090694.
PR	25-JUN-1998;	98US-0090695.
PR	25-JUN-1998;	98US-0090696.
PR	26-JUN-1998;	98US-0090862.
PR	26-JUN-1998;	98US-0090863.
PR	01-JUL-1998;	98US-0091358.
PR	01-JUL-1998;	98US-0091360.
PR	01-JUL-1998;	98US-0091544.
PR	02-JUL-1998;	98US-0091478.
PR	02-JUL-1998;	98US-0091486.
PR	02-JUL-1998;	98US-0091519.
PR	02-JUL-1998;	98US-0091626.
PR	02-JUL-1998;	98US-0091628.
PR	02-JUL-1998;	98US-0091633.
PR	02-JUL-1998;	98US-0091646.
PR	02-JUL-1998;	98US-0091673.
PR	07-JUL-1998;	98US-0091978.
PR	07-JUL-1998;	98US-0091982.
PR	09-JUL-1998;	98US-0092182.
PR	10-JUL-1998;	98US-0092472.
PR	20-JUL-1998;	98US-0093339.
PR	30-JUL-1998;	98US-0094651.
PR	04-AUG-1998;	98US-0095282.

PR 04-AUG-1998; 98US-0095285.
PR 04-AUG-1998; 98US-0095301.
PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 10-AUG-1998; 98US-0096012.
PR 11-AUG-1998; 98US-0096143.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.
PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.
PR 20-AUG-1998; 98US-0097218.
PR 24-AUG-1998; 98US-0097661.
PR 26-AUG-1998; 98US-0097951.
PR 26-AUG-1998; 98US-0097952.
PR 26-AUG-1998; 98US-0097954.
PR 26-AUG-1998; 98US-0097955.
PR 26-AUG-1998; 98US-0097971.
PR 26-AUG-1998; 98US-0097974.
PR 26-AUG-1998; 98US-0097978.
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PA (GETH) GENENTECH INC.

XX

PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;

XX

DR WPI; 2000-072883/06.

DR N-PSDB; AAZ65095.

XX

PT Membrane-bound proteins and related nucleotide sequences -

XX

PS claim 12; Fig 274; 822pp; English.

XX

CC The invention provides membrane-bound PRO polypeptides and

Db	541		ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Qy	601		NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNDBGV	660
Db	601		NKDVNSFPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNDBGV	660
Qy	661		YSRYFTAYTENGRYSLKVBRAHGGANTARLKLRPPLNRAAYIPGWVVNGEIEANPPRPEID	720
Db	661		YSRYFTAYTENGRYSLKVBRAHGGANTARLKLRPPLNRAAYIPGWVVNGEIEANPPRPEID	720
Qy	721		EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLDATVHEDKIIILTWTAPGDN	780
Db	721		EDTQTTLEDFSRASGGAFVVSQVPSLPLPDQYPPSQITDLDATVHEDKIIILTWTAPGDN	780
Qy	781		FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Db	781		FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Qy	841		IFIAIKSIDKSNLTSKVSANIAQVTLFIPQANPDDID--PTPTPTPTPDKSHNSGVNISTL	898
Db	841		IFIAIKSIDKSNLTSKVSANIAQVTLFIPQANPDDIDPTPTPTPTPDKSHNSGVNISTL	900
Qy	899		VLSVIGSVVIVNFILSTTI	917
Db	901		VLSVIGSVVIVNFILSTTI	919

RESULT 7

AAU29152

ID AAU29152 standard; Protein; 919 AA.

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AC AAU29152;

XX

DT 18-DEC-2001 (first entry)

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DE Human PRO polypeptide sequence #129

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KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.

XX

OS Homo sapiens.

XX

PN WO200168848-A2.

XX

PD 20-SEP-2001.

XX

PF 28-FEB-2001; 2001WO-US06520.

XX

PR 01-MAR-2000; 2000WO-US05601.

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PR 02-JUN-2000; 2000WO-US15264.

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Fig 258
 Seq. 258

Db	181	KIEATRC SAGISGRNRVYKCQGGSCLSRACRIDSTTKLYGKDCQFFPDKVQTEKASIMFM	240
Qy	241	QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSEDFKNTIPMVTTPPPPPVFSLL	300
Db	241	QSIDSVVEFCNEKTHNQEAPSLQNIKCNRSTWEVISNSEDFKNTIPMVTTPPPPPVFSLL	300
Qy	301	KISQRIVCLVLDKSGSMGGKDRLNRMNQAAKHFLQTVENGSWVGMVHFDSTATIVNKLI	360
Db	301	KISQRIVCLVLDKSGSMGGKDRLNRMNQAAKHFLQTVENGSWVGMVHFDSTATIVNKLI	360
Qy	361	QIKSSDERNTLMAGLPTYPLGGTSCSGIKYAFQVIGELHSQLDGEVLLLTGDEDNTAS	420
Db	361	QIKSSDERNTLMAGLPTYPLGGTSCSGIKYAFQVIGELHSQLDGEVLLLTGDEDNTAS	420
Qy	421	SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN	480
Db	421	SCIDEVKQSGAIVHFIALGRAADEAVIEMSKITGGSHFYVSDEAQNNGLIDAFGALTSGN	480
Qy	481	TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM	540
Db	481	TDLSQKSLQLESKGLTLNSNAWMNDTVIIDSTVGKDTFFLITWNSLPPSISLWDPSGTIM	540
Qy	541	ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Db	541	ENFTVDATSKMAYLSIPGTAKVGTWAYNLQAKANPETLTITVTSRAANSSVPPITVNAKM	600
Qy	601	NKDVSFSPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNQGV	660
Db	601	NKDVSFSPSPMIVYAEILQGYVPVLGANVTAFIESQNGHTEVLELLDNGAGADSFKNQGV	660
Qy	661	YSRYFTAYTENGRYSLKVRAGGANTARLKLRPPLNRAAYIPGWVNGEIEANPPRPEID	720
Db	661	YSRYFTAYTENGRYSLKVRAGGANTARLKLRPPLNRAAYIPGWVNGEIEANPPRPEID	720
Qy	721	EDTQTTLED FSRTASGGAFVVSQVPSLPLPDQYPPSQITDL DATVHEDKIILTWTAPGDN	780
Db	721	EDTQTTLED FSRTASGGAFVVSQVPSLPLPDQYPPSQITDL DATVHEDKIILTWTAPGDN	780
Qy	781	FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Db	781	FDVGKVQRYIIRISASILDLRDSFDDALQVNTTDLSPKEANSKESFAFKPENISEENATH	840
Qy	841	IFIAIKSIDKSNLTSKVS NIAQVTLFIPQANPDDID--PTPTPTPTPKSHNSGVNISTL	898
Db	841	IFIAIKSIDKSNLTSKVS NIAQVTLFIPQANPDDIDPTPTPTPTPKSHNSGVNISTL	900
Qy	899	VLSVIGSVVIVNFILSTTI	917
Db	901	VLSVIGSVVIVNFILSTTI	919